

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. ....  
Filing Date .....  
Inventorship ..... Xiao  
Applicant ..... Microsoft Corporation  
Attorney's Docket No. .... MS1-1528US  
Title: Robust Multi-View Face Detection Methods and Apparatuses

**INFORMATION DISCLOSURE STATEMENT**

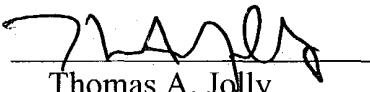
*References -- See Attached Form PTO-1449*

**REMARKS**

The citations listed, copies attached, are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

Respectfully Submitted,

Date: 7/16/2003

By:   
Thomas A. Jolly  
Reg. No. 39,241



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PATENT TRADEMARK OFFICE

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| Substitute for form 1449B/PTO                                                                            |   |    |   | <b>Compleat if Known</b> |  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |   |    |   | Application Number       |  |
|                                                                                                          |   |    |   | Filing Date              |  |
|                                                                                                          |   |    |   | First Named Inventor     |  |
|                                                                                                          |   |    |   | Group Art Unit           |  |
|                                                                                                          |   |    |   | Examiner Name            |  |
| Sheet                                                                                                    | 1 | of | 1 | Attorney Docket Number   |  |
|                                                                                                          |   |    |   | MS1-1528US               |  |

| NON PATENT LITERATURE DOCUMENTS   |                          |                                                                                                                                                                                                                                                                 |                |
|-----------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner<br>Initials <sup>*</sup> | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|                                   |                          | SCHAPIRE, et al; "The Boosting Approach to Machine Learning An Overview"; MSRI Workshop on Nonlinear Estimation and Classification, 2002; pp. 1-23, December 19, 2001                                                                                           |                |
|                                   |                          | VIOLA, et al; "Robust Real-time Object Detection"; Second International Workshop On Statistical and Computational Therories of Vision - Modeling, Learning, Computing, and Sampling"; Vancouver, Canada, July 13, 2001; pp. 1-25.                               |                |
|                                   |                          | SERRE, et al.; "Feature Selection for Face Detection"; Massachusetts Institute of Technology, September 2000; A.I. Memo No. 1697; C.B.C.L. Paper No. 192; 17 pages.                                                                                             |                |
|                                   |                          | ROTH, et al; "A SNoW-Based FACE Detector"; University of Illinois at Urbana-Champaign, Urbana, IL 61801; 7 pages.                                                                                                                                               |                |
|                                   |                          | SCHNEIDERMAN et al; "A Statistical Method for 3D Object Detection Applied to Faces and Cars"; Carnegie Mellon University, Pittsburgh, PA 15213                                                                                                                  |                |
|                                   |                          |                                                                                                                                                                                                                                                                 |                |
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|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
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<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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